

APPLICATION NOTE

COMPACT DISC WRITE ONCE

HOW TO USE THE DISC APPLICATION CODE

INTRODUCTION

In the System Description of Recordable Compact Disc Systems (Orange Book) Part II (CD-WO) of November 1990 a Disc Application Code has been defined (see chapter 4.4, page 19).

This application note explains what the developers had in mind by introducing the Disc Application Code and shows how it should be used.

Following recordable CD disc types are defined:

- 1) discs for restricted use
 - 1a. General Purpose discs
 - 1b. Special Purpose discs
- 2) discs for un-restricted use

Type 1) is designed for non-consumer applications and is the only standard type available until consumer applications will be released. "Restricted use" has to be understood as use in dedicated product applications (niche markets). By subdividing Type 1) discs in one General Purpose disc and many possible Special Purpose discs provisions have been incorporated to differentiate between special disc applications in the future, such as Photo CD (trademark of Eastman Kodak Co.).

Type 2) is expected to be introduced in the future after the release of consumer applications. This type will have a general purpose character for which no restrictions apply and which therefore can be used in both non-consumer and consumer CD recorders.

We expect that versions of type 1b) will remain also after the release of consumer applications.

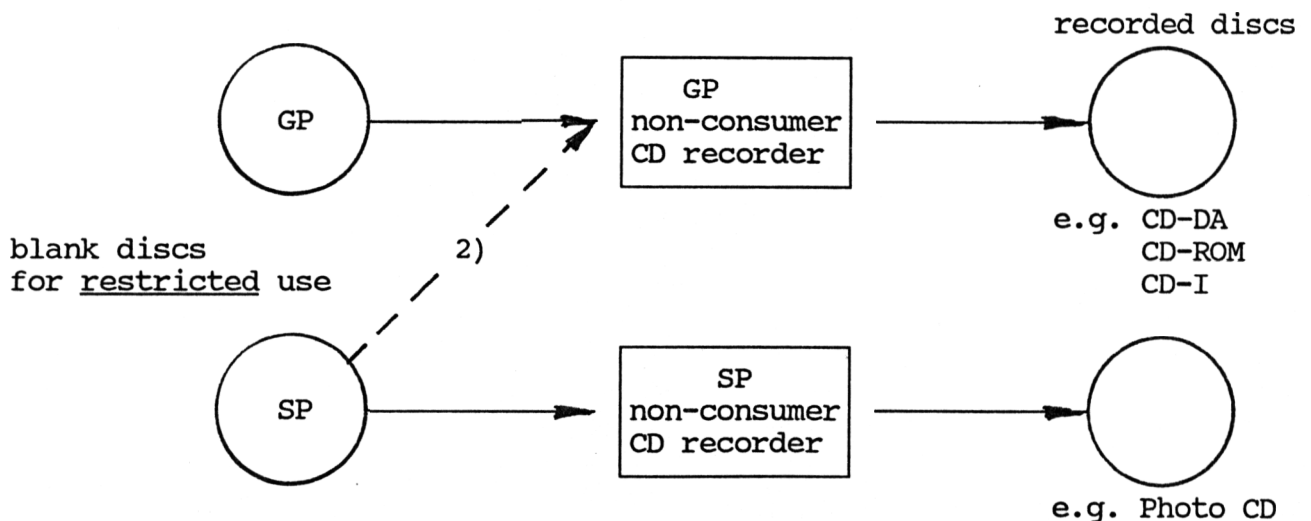
CD recorders will have to meet minimum requirements in order to accomodate the mandatory use of the Disc Application Code. For consumer CD recorders it is not yet possible to describe these requirements in detail before the discussion on copy control is concluded.

A survey of the standard combinations is depicted below:

I. Before release of consumer applications ¹⁾
(non-consumer applications only)

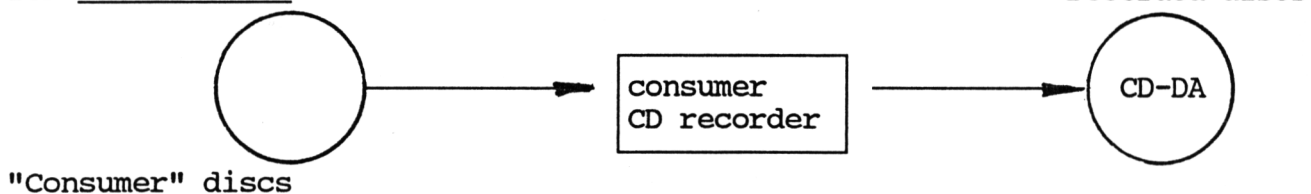
GP = General Purpose

SP = Special Purpose

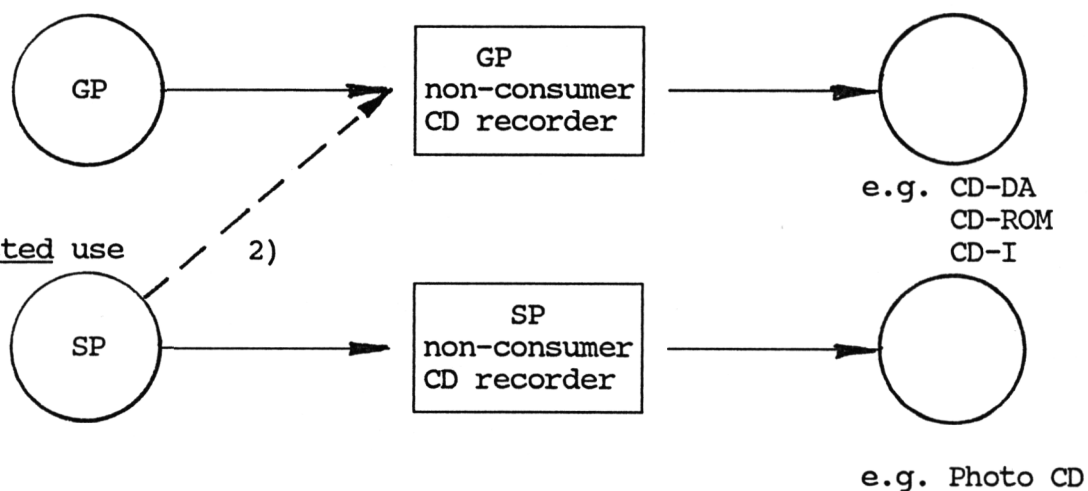


II. After release of consumer applications 1)

blank discs
for unrestricted use



blank discs
for restricted use



- 1) Other combinations than shown are not a part of the standard.
- 2) This application is not recommended. However General Purpose non-consumer CD recorders complying with the standard can be made to handle Special Purpose (blank) discs.